

Fig. 1

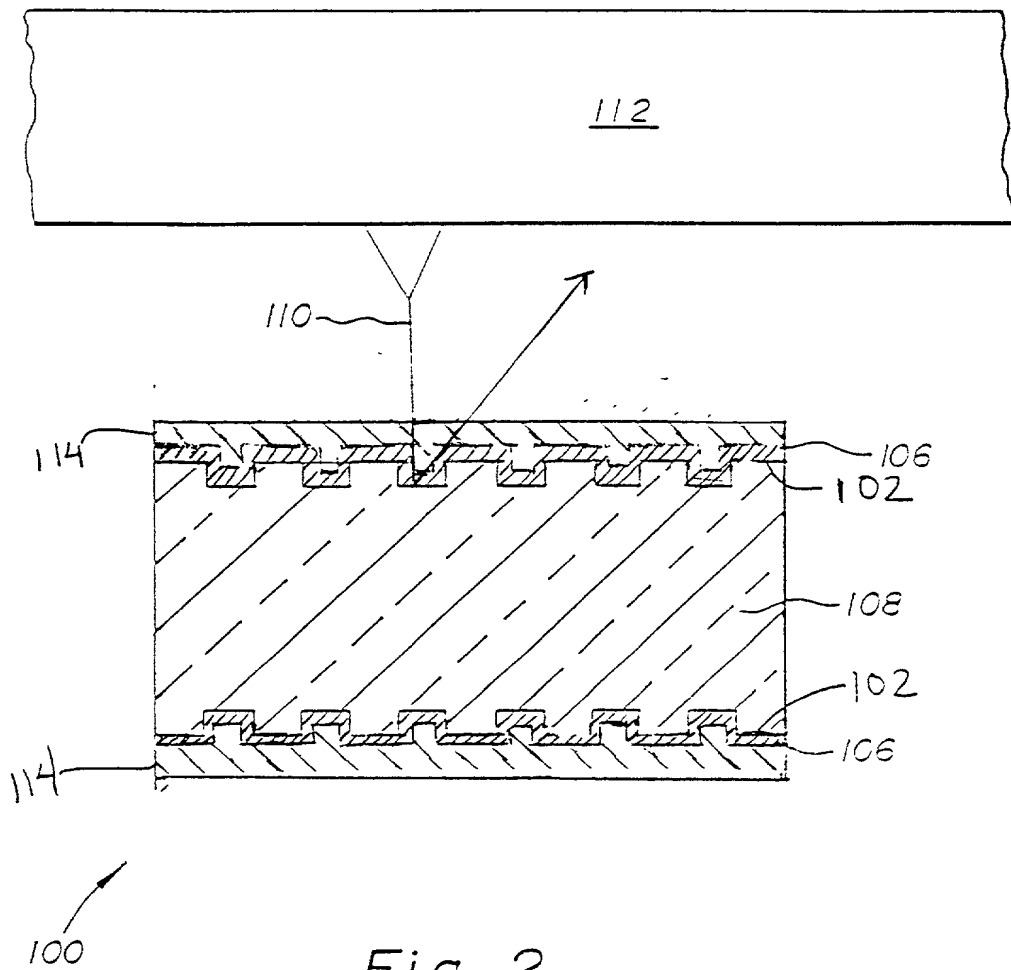
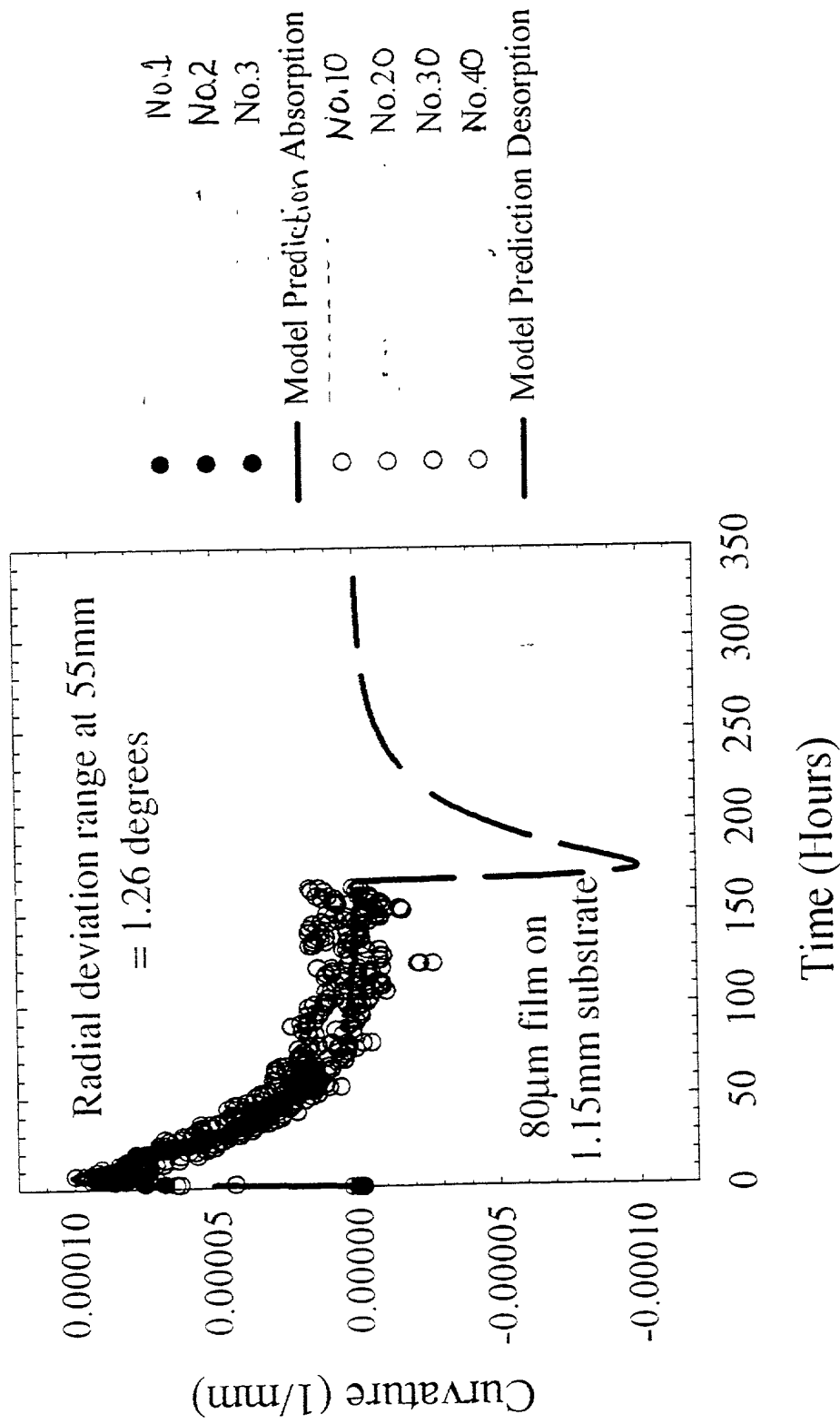


Fig. 2

Figure 3

25°C and 50% rh - 25°C and 90% rh - 25°C and 50% rh



$$\text{Radial Deviation (deg)} = 360 \cdot \text{Curvature} \cdot \text{radius} / \pi$$

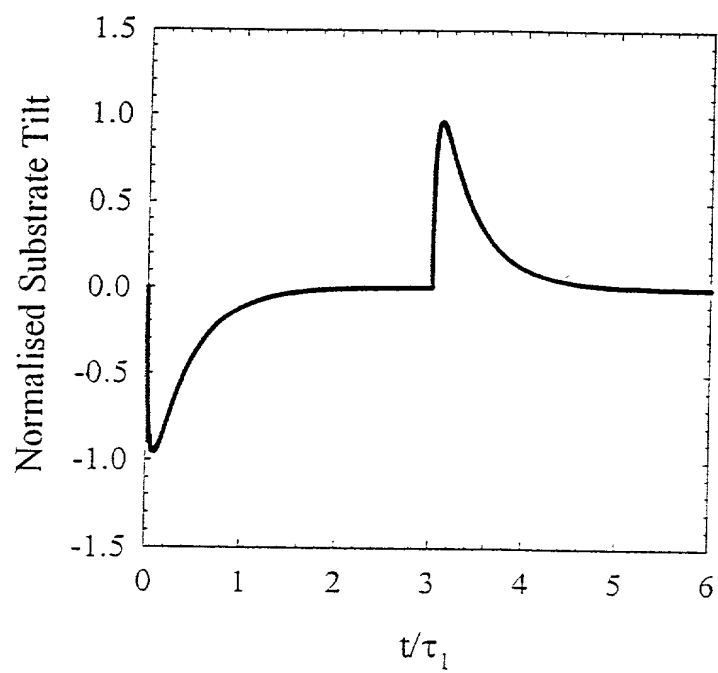


FIGURE 4

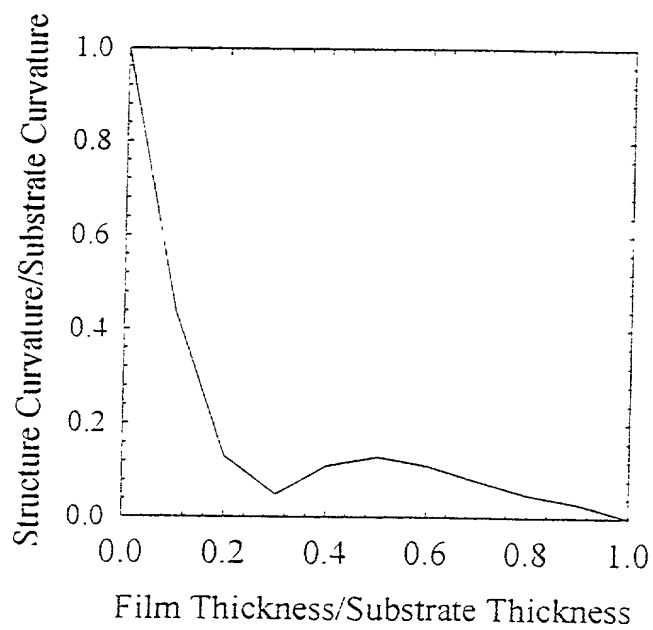


FIGURE 5

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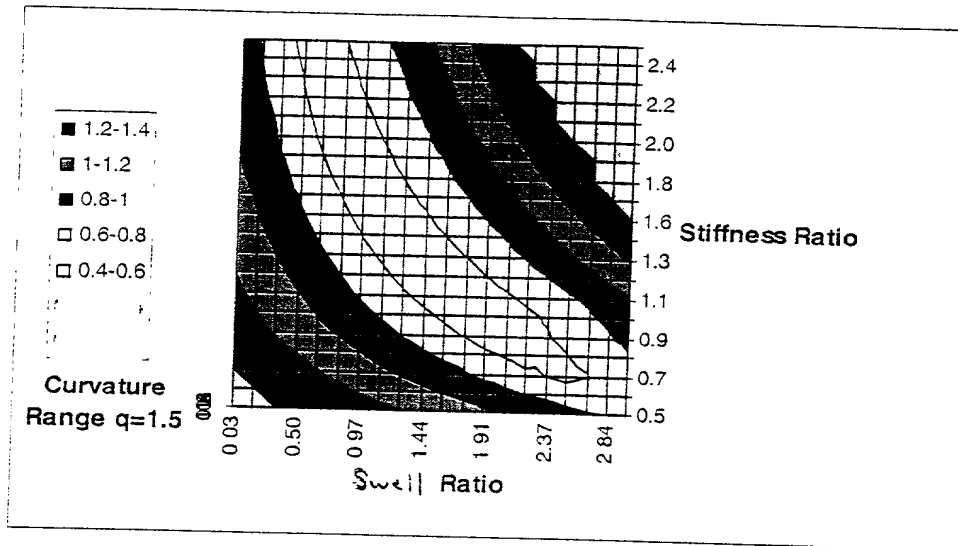


Figure 6. Curvature Ratio Contour Map at a diffusion ratio of 1.5.

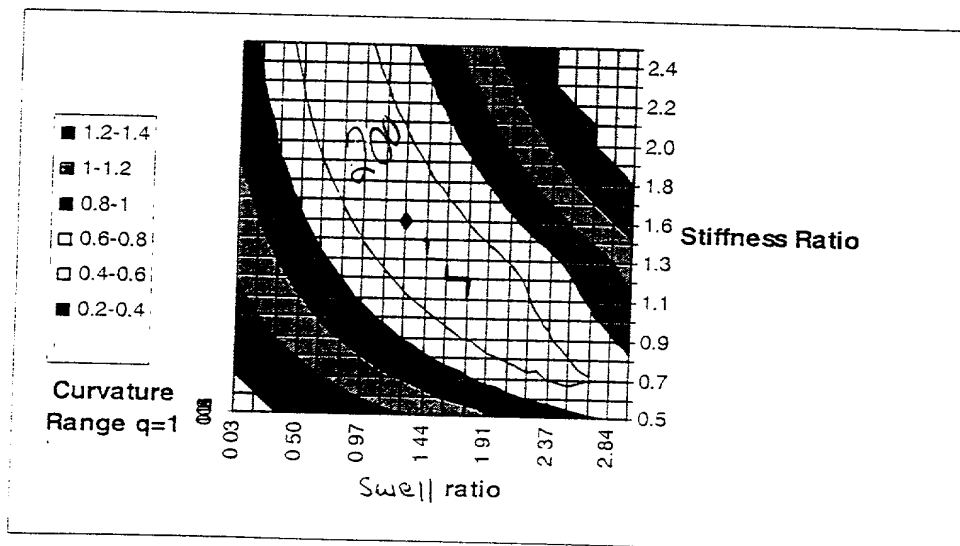


Figure 7. Curvature Ratio Contour Map at a diffusion ratio of 1.

Figure 8

Mismatched System - identical substrate

25°C and 50% rh - 25°C and 90% rh - 25°C and 50% rh

Film Ratios	
Thickness	$\rho$ 0.070
Stiffness	$\gamma$ 1.3985496
Swell	$\delta$ 1.9999845
Diffusivity	$q$ 0.930049

60% reduction in  
radial deviation range

